

CITY OF SAN DIEGO WATER DEPARTMENT

APPROVED MATERIALS LIST

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Forward for 2002 Revisions

Suggested changes in the approved materials are still requested and will be reviewed. In order to keep the listing updated, it is necessary that anyone with pertinent information keep the committee updated.

Materials other than shown on this list may be used when approval has been obtained for their use.

Materials called out on subdivision plans may require specifications to be included with the subdivision plans. This will be the case of any material not covered by the referenced specifications* for the subdivision.

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Revised 11/21/2002**

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SUBJECT	SPEC. REF.	MANUFACTURER (Series/Model No.)	ADDITIONAL REQUIREMENTS
<p>A. <u>Bronze Water Services Fittings for Iron Pipe, Plastic, and Copper Tubing</u></p> <p>(1) Corporation Stop, Curb Stop, Property Valve, Coupling, Compression Fittings, or Flared Copper Type only.</p> <p>(2) Adaptors, Bends, Compression Fittings, or Flared Copper Type only.</p> <p>(3) Service Saddle (double-bronze straps and nuts for pipe other than PVC).</p> <p>(4) Service Saddle (full support for PVC C-900 pipe, 4" through 12", unless otherwise noted). All SStl. Saddles</p> <p>Bronze Saddle w/SStl.Strap</p>	<p>*207-26.1</p>	<p>(Refer to section G, page 7 for model numbers).</p> <p>The James Jones Company Ford McDonald Mueller</p> <p>The James Jones Company (J-979) Ford (202B) Mueller (H-16000) Romac Industries (202B)</p> <p>Smith-Blair (373) Romac Industries (306)</p> <p>Smith-Blair(323) Romac Industries The James Jones Company (J-969) APAC (113) Ford (202B)</p>	<p>Minimum 150 psi working pressure.</p>

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B. <u>Water Services</u>			
(1) Polyvinyl Chloride Pipe (PVC) Schedules 40 & 80 - 2" diameter	*207-26.1	J-M Certainteed Carlton	
With Schedules 40 & 80 socket solvent weld type fittings		Lasco Spears	
(2) Copper Tube, Type "K" (soft) 1" & 2" diameters	*207-26.1	Mueller Brass Cerro Copper Products Cambridge-Lee Industries, Inc.	

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SUBJECT	SPEC. REF.	MANUFACTURER (Series/Model No.)	ADDITIONAL REQUIREMENTS
<p>C. Valves</p> <p>(1) Gate Valves 3" thru 48" diameter (a) All internal parts to be bronze (b) 12" diameter and larger to have by-passes 16" diameter and larger to be mounted horizontally with by-passes and enclosed gear cases 3" thru 12" diameter - 200 psi working pressure 16" thru 48" diameter - 150 psi working pressure</p> <p>(2) Resilient-Wedge Gate Valves 2" thru 12" diameter (NRS)</p>	<p>*207-26.3 AWWA C-500</p> <p>AWWA C-509</p>	<p>Mueller (A2380-9206) Kennedy Valve Company/ Clow American Flow Control M & H (Dresser) K-Flow</p> <p>American Flow Control American Flow Control (AFC 500) M & H / Kennedy Valve Company./ Clow American AVK (Series 25) Stockham U. S. Pipe Metroseal (250) Mueller</p>	<p>EPDM rubbers</p> <p>EPDM rubbers</p>

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C. <u>Valves (cont.)</u>			
(3) Rubber-Seated Butterfly Valves 6" thru 48" diameter	*207-26.4 AWWA C-504	Pratt K-Flow	Class 150 EPDM rubber
6" thru 12" diameter		M & H (Dresser) Mueller	EPDM rubber
16" thru 48" diameter		Kennedy Valve Company American Flow Control	EPDM rubber
6" thru 12" diameter	*207-26.4.1	Pratt K-Flow	Class 250 EPDM rubber
(4) Combination Air & Vacuum Valves, 1", 2", 3", & 4" diameters All internal parts to be stainless steel		APCO (143C,145C,147C,149C) Val-Matic (201C, 202C) GA Industries, Inc. (#945) Crispin (10UL, 20UL, 30UL, 40UL)	
(5) Automatic Control Valves		CLA-VAL Co. GA Industries, Inc.	Globe/Angle Pattern only
(6) Fire Hydrants Wet Barrel Fire Hydrants for Ordinary Water Works Service	*207-26.2 AWWA C-503 SDRSD W-10	Clow Ranger (950, 960, 850, 860)	Hydrants with one- piece barrel only, no welded ports allowed.
D. <u>Meter Boxes</u>			

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<p><u>F. Water Distribution</u> <u>Miscellaneous</u></p> <p>(1) Ductile Iron Fittings and Joints For DI & PVC pipe, short body, cement lined</p> <p>(2) Tapping Sleeve 4" thru 20" diameter</p> <p>(3) Stainless Steel Bands (Repair Clamps)</p> <p>(4) Flex Couplings</p> <p>(5) Restraining Joints</p>	<p>*207-9.2 AWWA C-110 AWWA C-111 AWWA C-153</p>	<p>Any Manufacturer Meeting Specifications</p> <p>APAC (502) Baker (428) Ford (FTSC) Mueller (H619) Smith-Blair (622) JCM Industries (412) Romac Industries (FTS420)</p> <p>JCM 101, 210, 211, 301) Ford (FS1, FS2) Romac Industries (SS1, SS2) Cascade (CR1. CR2. CR3)</p> <p>Mueller</p> <p>Mega Lug</p>	<p>Only mechanical joint fittings shall be used on PVC pipe</p> <p>To be Approved by Engineer</p>

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G. BRONZE WATER SERVICE FITTINGS		COMPRESSION/PACKING				FLARED COPPER				MISCELLANEOUS			
		TYPE	SIZE	FORD	JONES	McDONALD	MUELLER	FORD	JONES	McDONALD	MUELLER	FORD	JONES
CURB STOP, ANGLE, BALL IPS THREAD TO METER PVC SCH 40 TO METER (elongated holes for 12" & 2" meters) TUBING TO METER TUBING TO METER (elongated holes for 12" & 2" meters)	2"	---	---	---	---	---	---	---	---	---	FV13-777W	J-1527F	H-14286
	2"	BFA73-777W	J-1979	4602B-44	---	---	---	---	---	---	---	---	---
	1"	BA43-444W	J-1963W	4602B-22	B-24258	BA23-444W	J-1973W	4602B	B-24255	---	---	---	---
	2"	BF43-777W	J-1975W	4604-B	B-24276	BFA23-777W	J-1964W	---	---	---	---	---	---
CORP STOP, BALL MIP TO MIP MIP TO PVC SCH 40 MIP TO TUBING MIP TO TUBING	2"	---	J-1943	3131-B	---	---	---	---	---	---	FB-500	J-1943	H-9969
	2"	FB-1102	J-1977	4704B-44	B-25025	---	---	---	---	---	---	---	---
	12"	FB-1100	J-1935	4704B-22	B-25008	FB-700	J-1930	4701B	B-25000	---	---	---	---
	2"	FB-1100	J-1935	4704B-22	B-25028	FB-700	J-1930	4704B	B-25025	---	---	---	---
COUPLING, ADAPTOR FIP TO IPS FIP TO PVC, IPS FIP TO TUBING MIP TO PVC, IPS MIP TO TUBING MIP TO TUBING	1"	C16-44	J-2608	4754-33	H-15454	---	---	---	---	---	---	---	---
	2"	C17-44	J-2640	4754-44	---	---	---	---	---	---	---	---	---
	2"	C14-77	J-2607	4754-22	H-15451	C21-77	J-1535	4754	H-15450	---	---	---	---
	2"	C87-77	J-2640	4753-44	---	---	---	---	---	---	---	---	---
	1"	C84-44	J-2605	4753-22	H-15428	C28-44	J-1531	4753	H-15425	---	---	---	---
	2"	C84-77	J-2605	4753-22	H-15428	C28-77	J-1531	4753	H-15425	---	---	---	---
COUPLING, STRAIGHT METER TAIL METER TAIL PVC TO PVC SCH 40 TUBING TO TUBING TUBING TO TUBING	1"	---	---	---	---	---	---	---	---	---	C-38	J-130	H-10890
	1"	---	---	---	---	---	---	---	---	---	C-38	J-130	H-10890
	2"	C77-77	J-2642	4758-44	---	---	---	---	---	---	---	---	---
	1"	C44-44	J-2609	4758-22	H-15403	C22-44	J-1528	4758	H-15400	---	---	---	---
2"	C44-77	J-2609	4758-22	H-15403	C22-77	J-1528	4758	H-15400	---	---	---	---	
PACKING JOINT, 90° ELBOW TUBING TO TUBING	2"	L44-77	J-2611	4761.22	H-15526	C22-77	J-1552	4761	H-15525	---	---	---	---
VALVE, METER													

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FIP TO METER	1"	B13-444 J-1908 w/6120 HANDLE	6101-MHB B-24351 w/B20248 HANDLE	- --- ---	--- --- ---
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